

Remarks

Claims 1-20 are pending in this application. The Examiner has rejected claims 1, 2, 5, 6, 8, 9, 11-13, and 18-20 under 35 U.S.C. § 102(e) as being anticipated by Mirza et al. (U.S. Patent No. 5,991,616). The Examiner has rejected claims 3, 10, 14, and 17 under 35 U.S.C. § 103(a) as being unpatentable over Mirza. The Examiner has rejected claims 4, 7, 15, and 16 under 35 U.S.C. § 103(a) as being unpatentable over Mirza in view of Friend (U.S. Patent No. 6,091,944). The Examiner has requested the substitution of a new title. Applicants believe that the existing title is sufficiently descriptive, and have not amended the title. Applicants are unsure as to how the Examiner wishes the title to read. As such, Applicants invite the Examiner to suggest a new title, or to indicate that the existing title is sufficient in the next action. Claims 2, 3 and 14 have been amended for clarity.

Claim 1 recites a system for integrating call detail records for a multiple network environment. The system comprises access manager control logic, switching control logic, and an operations support system. The access manager control logic is connected to a wireless network. The access manager control logic is configured to generate a wireless call detail record in response to placement of a wireless call from a call source having an identity. The switching control logic is connected to a wireline network, and is configured to generate a wireline call detail record. The operations support system has call detail record control logic configured to receive the wireless call detail record from the access manager control logic, and to receive the wireline call detail record from the switching control logic. The call detail record control logic of the operations support system is further configured to combine wireless and wireline call detail records that correspond to the same customer into an integrated call record.

The Examiner has rejected claim 1 as being anticipated by Mirza. Mirza fails to describe or suggest the claimed access manager control logic configured to generate a wireless call detail record, and the call detail record control logic at the operations support system receiving the wireless call detail record from the access manager control logic,

receiving the wireline call detail record from the switching control logic and combining the wireline and wireless call detail record into an integrated call record.

Mirza describes a method for integrated billing in an integrated wireline-wireless system. Mirza uses an advanced intelligent network (AIN) service control point (SCP) 102 to generate wireless and wireline bills, and does not describe or suggest the claimed access manager control logic and operations support system. The Examiner has directed applicant's attention to the drawing and column 3, line 13 - column 4, line 40 of Mirza. Mirza describes AIN SCP 102 performing billing functions for calls in wireless section 200 (column 3, lines 35-37).

Applicants believe that claim 1 is patentable over Mirza because Mirza fails to describe or suggest the claimed access manager control logic generating a wireless call detail record and the call detail record control logic of the operations support system receiving the wireless call detail record from the access manager control logic, combined with the other claimed features.

Claims 2-11 are dependent claims and are also believed to be patentable. Claim 12 is an independent claim, and is believed to be patentable for similar reasons as discussed above for claim 1. Claims 13-18 are dependent claims and are also believed to be patentable. Claim 19 is an independent claim, and is believed to be patentable for similar reasons as discussed above for claim 1. Claim 20 is a dependent claim and as such is also believed to be patentable.


Further, some of the dependent claims are believed to recite further patentable subject matter. For example, the Examiner has rejected dependent claims 2, 13, and 20 as anticipated by Mirza. These claims recite the operations support system receiving the wireless call detail record from the access manager in a first call detail record stream. Mirza fails to describe or suggest the claimed access manager and first call detail record stream.

Further, the Examiner has rejected claims 3 and 14 as being unpatentable over Mirza. The Examiner has failed to provide a reference that describes or suggests the subject matter of dependent claims 3 and 14. Claims 3 and 14 recite the access manager sending the wireless call detail record over a signaling network to switching control logic. This subject matter is not described or suggested by Mirza.

In summary, Applicants believe that claims 1-20 are patentable over the cited prior art, and respectfully request that the Examiner allow the claims in this application.

Respectfully submitted,

Michael Fargano et al.

By 
Jeremy J. Curcuri
Reg. No. 42,454
Attorney for Applicant

Date: December 14, 2001

BROOKS & KUSHMAN P.C.

1000 Town Center, 22nd Floor

Southfield, MI 48075

Phone: 248-358-4400

Fax: 248-358-3351

Attachment

VERSION WITH MARKINGS TO SHOW CHANGES MADE

Claims 2, 3 and 14 have been amended as follows.

2. (Amended) The system of claim 1 wherein the operations support system receives the wireless call detail record from the access manager control logic in a first call detail record stream, and the operations support system receives the wireline call detail record from the switching control logic in a second call detail stream.

3. (Amended) The system of claim 1 wherein the access manager control logic sends the wireless call detail record over a signaling network to the switching control logic, and wherein the operations support system receives the wireless call detail record and the wireline call detail record from the switching control logic in a combined call detail stream.

14. (Amended) The method of claim 12 wherein receiving the wireless call detail record and receiving the wireline call detail record further comprise:

 sending the wireless call detail record from the access manager control logic over a signaling network to the switching control logic; and

 receiving the wireless call detail record and the wireline call detail record from the switching control logic in a combined call detail stream.